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- (71) Applicant (for all designated States except US): **RINAT NEUROSCIENCE CORP.** [US/US]; 3155 Porter Drive, Palo Alto, CA 94304 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **DAVIES, Alun** [GB/GB]; Netherburn, 2 Lade Braes, St. Andrews, Scotland Fife KY16 9ET (GB). **GRIMM, Jan** [DE/US]; 643 18th Avenue, Menlo Park, CA 94025 (US). **WYATT, Sean** [GB/US]; 541 Del Meido Avenue, Mountain View, CA 94040 (US).
- (74) Agents: **POLIZZI, Catherine, M.** et al.; Morrison & Forster LLP, 755 Page Mill Road, Palo Alto, CA 94304 (US).
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(54) Title: METHODS OF SCREENING FOR MODULATORS OF NERVE GROWTH FACTOR

(57) **Abstract:** The invention relates, in general, to a method of screening for agents that modulate NGF activity. More specifically this invention provides a method of assessing the ability of a candidate agent to modulate NGF activity comprising, measuring the level of expression of one or more or two or more NGF responsive genes in a culture of neurons expressing the high-affinity trk A receptor after contact with a candidate agent. The invention further provides methods of culturing primary cultures of neurons expressing the high-affinity trk A receptor and methods of isolating polynucleotides from such cultures.

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